

MD 30 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

GENERAL NOTES

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL INSTALLATION WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- THE CONTRACTOR SHALL NOT CUT MAST ARM AS INDICATED ON PLANS UNTIL MAST ARM POLE LOCATION IS FINALIZED.
- INSTALL CONDUIT AND LOOP DETECTORS PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS. REFER TO SIGNING AND PAVEMENT MARKING PLANS FOR ADDITIONAL DETAILS.
- VERIFY PROPOSED GEOMETRICS PRIOR TO INSTALLING SIGNAL EQUIPMENT.
- INSTALL ALL HANDHOLES AT FINAL GRADE.
- REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
- THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING SIDEWALKS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
- THE SIGNAL CONTRACTOR SHALL DETERMINE IF ANY WORK BY OTHER CONTRACTORS CAN NOT BE COMPLETED UNTIL INSTALLATION OF SIGNAL EQUIPMENT IS COMPLETE. THE SIGNAL CONTRACTOR SHALL COORDINATE THE SCHEDULE/ STAGING OF THIS WORK WITH THE OTHER CONTRACTORS.

SPECIAL NOTES:

- CONTRACTOR SHALL MAINTAIN SIGNAL OPERATION DURING UTILITY CONSTRUCTION WHICH WILL IMPACT CONDUIT RUNNING ON EAST SIDE OF MAIN STREET. A TEMPORARY SPAN WILL BE INSTALLED BETWEEN MAST ARMS POLES AND TEMPORARY CABLE INSTALLED DURING GAS LINE INSTALLATION. A TEMPORARY SIGNAL OUTAGE WILL OCCUR DURING NON-PEAK HOURS, AS DIRECTED BY THE ENGINEER. REMOVE SPAN WIRE ONCE THE ULTIMATE CONDUIT IS INSTALLED.
- CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT TO AVOID DISTURBANCE OF EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL TEST PIT TO DETERMINE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES PRIOR TO INSTALLING SIGNAL EQUIPMENT.

PROPOSED SIGNAL HEADS

OPTICOM
DETECTOR EYE

2

1-4,7,10
R
Y
G
12"

6,9
R
Y
G
12"

5,8
R
Y
G
8"/12"

11-18
12"

PROPOSED SIGNS

19
← York Street
Westminster St
D-3(11)
(VARIABLE X 32")

20
← York Street
Westminster St
D-3(11)
(VARIABLE X 32")

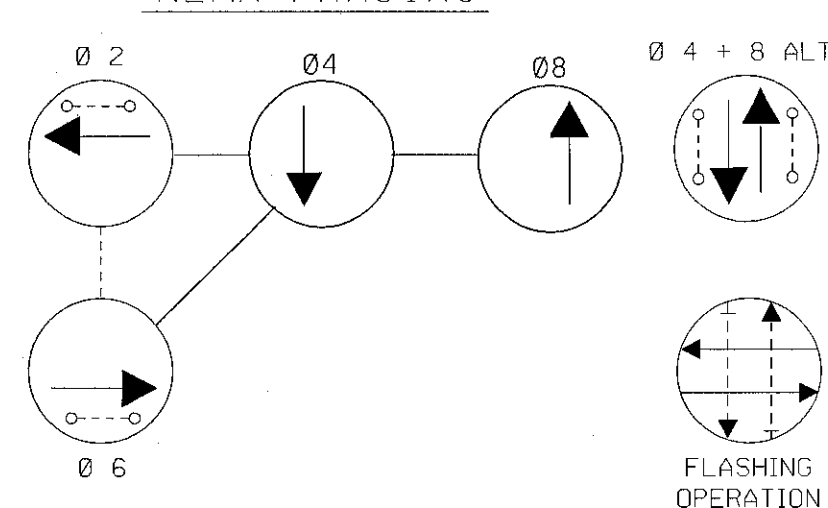
23
← Westminster St
York Street
D-3(11)
(VARIABLE X 32")

22
← Westminster St
York Street
D-3(11)
(VARIABLE X 32")

25
NORTH
30
SOUTH

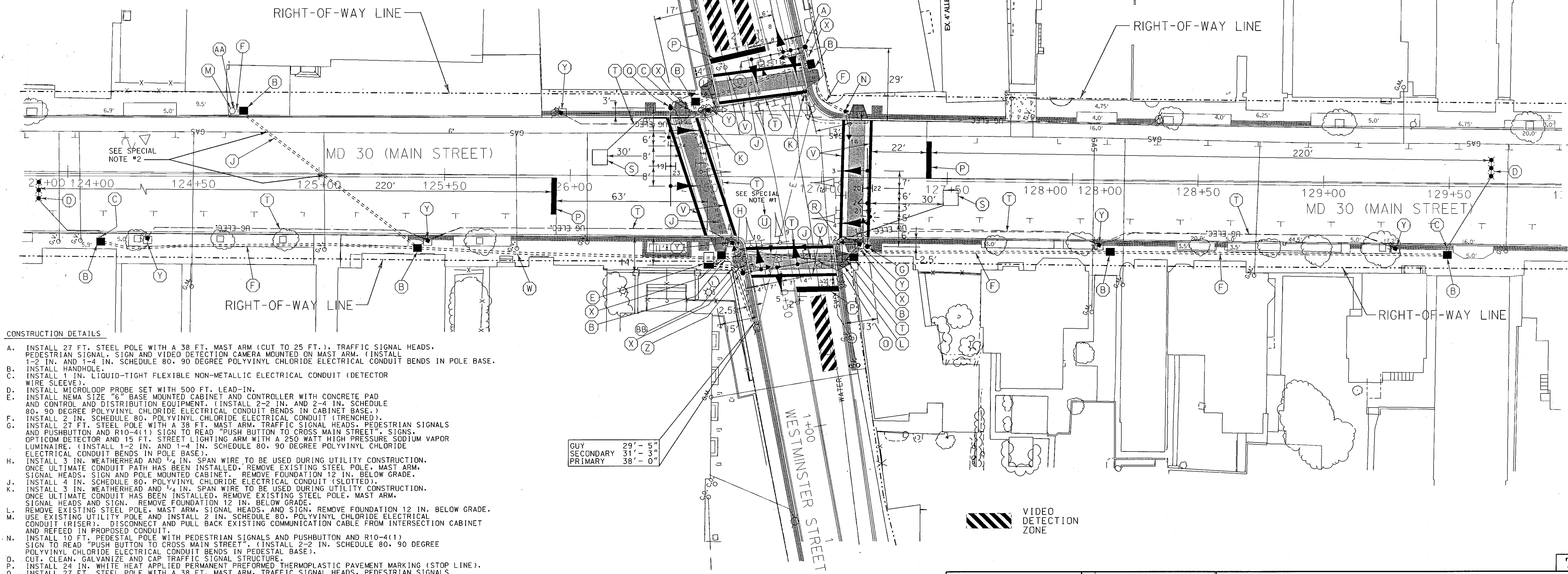
27
SOUTH
30
NORTH

NEMA PHASING



PHASING NOTES:

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

- INSTALL 27 FT. STEEL POLE WITH A 38 FT. MAST ARM (CUT TO 25 FT.), TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL, SIGN AND VIDEO DETECTION CAMERA MOUNTED ON MAST ARM. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE.)
- INSTALL HANDHOLE.
- INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN.
- INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH CONCRETE PAD AND CONTROL AND DISTRIBUTION EQUIPMENT. (INSTALL 2-2 IN. AND 2-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN CABINET BASE.)
- INSTALL 10 FT. STEEL POLE WITH A 38 FT. MAST ARM, TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNALS AND PUSHBUTTON AND R10-4(1) SIGN TO READ "PUSH BUTTON TO CROSS MAIN STREET". SIGN, OPTICOM DETECTOR AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE.)
- INSTALL 3 IN. WEATHERHEAD AND 1/4 IN. SPAN WIRE TO BE USED DURING UTILITY CONSTRUCTION. ONCE ULTIMATE CONDUIT PATH HAS BEEN INSTALLED, REMOVE EXISTING STEEL POLE, MAST ARM, SIGNAL HEADS, SIGN AND POLE MOUNTED CABINET. REMOVE FOUNDATION 12 IN. BELOW GRADE.
- INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (SLOTTED).
- INSTALL 3 IN. WEATHERHEAD AND 1/4 IN. SPAN WIRE TO BE USED DURING UTILITY CONSTRUCTION. ONCE ULTIMATE CONDUIT HAS BEEN INSTALLED, REMOVE EXISTING STEEL POLE, MAST ARM, SIGNAL HEADS AND SIGN. REMOVE FOUNDATION 12 IN. BELOW GRADE.
- REMOVE EXISTING STEEL POLE, MAST ARM, SIGNAL HEADS, AND SIGN. REMOVE FOUNDATION 12 IN. BELOW GRADE.
- USE EXISTING UTILITY POLE AND INSTALL 2 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (RISER). DISCONNECT AND PULL BACK EXISTING COMMUNICATION CABLE FROM INTERSECTION CABINET AND REFEED IN PROPOSED CONDUIT.
- INSTALL 10 FT. PEDESTAL POLE WITH PEDESTRIAN SIGNALS AND PUSHBUTTON AND R10-4(1) SIGN TO READ "PUSH BUTTON TO CROSS MAIN STREET". (INSTALL 2-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN PEDESTAL BASE.)
- CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE.
- INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING (STOP LINE).
- INSTALL 27 FT. STEEL POLE WITH A 38 FT. MAST ARM, TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNALS AND PUSHBUTTON AND R10-4(1) SIGN TO READ "PUSH BUTTON TO CROSS MAIN STREET". SIGN, OPTICOM DETECTOR AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE.)
- INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
- INSTALL 6 FT. X 6 FT. (4-TURNS) LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
- CAP AND ABANDON EXISTING UTILITY POLE. (SEE SPECIAL NOTE #1.)
- INSTALL 1/4 IN. STEEL SPAN WIRE AND SIGNAL HEAD CABLES. (SEE SPECIAL NOTE #1.)
- INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MARKING (CROSSWALK).
- INSTALL 3 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- INSTALL 4 IN. SCHEDULE 80, POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
- REMOVE EXISTING HANDHOLE.
- INSTALL 27 FT. STEEL POLE WITH A 38 FT. (CUT TO 30 FT.) MAST ARM, TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNALS AND PUSHBUTTON AND R10-4(1) SIGN TO READ "PUSH BUTTON TO CROSS MAIN STREET". SIGN, OPTICOM DETECTOR AND 15 FT. STREET LIGHTING ARM WITH A 250 WATT HIGH PRESSURE SODIUM VAPOR LUMINAIRE. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE ELECTRICAL CONDUIT BENDS IN POLE BASE.)
- USE EXISTING HANDHOLE AND DISCONNECT AND PULL BACK EXISTING INTERCONNECT HEADING SOUTH AND REFEED IN PROPOSED CONDUIT TO PROPOSED BASE MOUNTED CABINET.
- INSTALL 3" SCH 80 RIGID PVC CONDUIT TRENCHED FOR SERVICE

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	— A —
ELECTRICAL	— E —
TELEPHONE	— T —
CAS	— G —
SEWER	— SS —
STORM DRAIN	— SD —
WATER	— W —
CABLE TV	— TV —

REVISIONS		APPROVALS	
		TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	
		ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	
		CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
		DIRECTOR, TRAFFIC & SAFETY	
TRAFFIC SIGNAL MODIFICATION CONTRACT - CL8335170		1/2002	
BAM CRS		3/1977	
A ASBUILT CONTRACT - CL-538X-000-785		3/1977	



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 30 and WESTMINSTER ST./ YORK ST.

DRAWN BY: J.GORDON	F.A.P. NO.	TS NO.	SHEET NO.
CHECKED BY: W.RICHARDSON	S.H.A. NO.	TS-1145B	
SCALE: 1" = 20'	COUNTY: CARROLL	T.I.M.S. NO.	
DATE: 3/74	LOG MILE: 0.600306.45	E935	OF